



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010494
CERTIFICATION DATE: November 21, 2013
DATE RECERTIFICATION DUE: May 20, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy
Program Manager, Calibration & Training

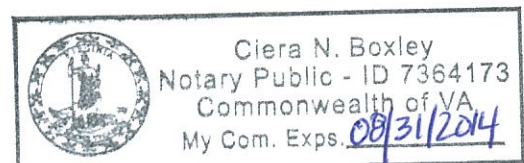
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/25/2013

HMS
NMJ

Instrument Serial Number: 010494 **As of 25-Nov-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
21-Nov-13	21-Nov-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD, REPLACED PRINTER.
29-May-13	29-May-13	HMS (18910)	CERTIFIED, REPLACED PRINTER RIBBON.
20-Feb-13	20-Feb-13	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED, REPLACED DRY GAS STANDARD.
19-Dec-12	19-Dec-12	HMS (18910)	CERTIFIED
11-Jul-12	11-Jul-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
26-Jan-12	26-Jan-12	HMS (18910)	CERTIFIED
09-Aug-11	09-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Feb-11	28-Feb-11	HMS (18910)	CERTIFIED
15-Sep-10	15-Sep-10	HMS (18910)	CERTIFIED
22-Jun-10	29-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
29-Mar-10	29-Mar-10	HMS (18910)	CERTIFIED
08-Oct-09	08-Oct-09	HMS (18910)	CERTIFIED.
21-Apr-09	21-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Nov-08	06-Nov-08	HMS (18910)	CERTIFIED.
03-Nov-08	03-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

JMS
NSH

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010494 Worksheet Start Date 11/21/2013

Location Meherrin River Regional Jail - Mecklenburg Satellite

Address 600 Prison Rd, Boydton, VA 23917

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer	4atcee37157	3kmcea45874	Certificates of Analysis
UPS			Operator Worksheet
			Other:

50

Maintenance (if any)
Firmware/software upgrade. Replaced printer.

Comments (if any)

Instrument Serial Number 010494

Certification Date 11/21/2013

Instrument Barometer (mm HG) 765

Reference Barometer (mm HG) 764

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0		0.250	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-02

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

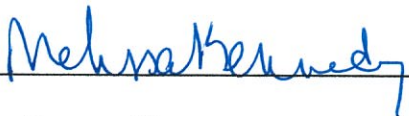
DFS Technician



Date

11/26/13

Issuing Analyst



Date

11/26/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
msl

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/21/2013
TEST EQUIPMENT NUMBER 010494		

RESULTS: TIME SAMPLE TAKEN 13:09 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 09:05

AMS
Wdl

Test Results

Instrument Serial Number 010494

Test # 000687 Subject Test

Test Location 1 Department of
Test Date 21 Nov 2013

Test Location 2 Forensic Science
Test Time 13:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 21 Nov 2013 End Time 13:10

Result Time 13:09

Result Date 21 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:04

Data Type BLK

Sample Value 0.000

Sample Time 13:04

Data Type CHK

Sample Value 0.102

Sample Time 13:05

Data Type BLK

Sample Value 0.000

Sample Time 13:06

Data Type SUBJ

Sample Value 0.000

Sample Time 13:07

Data Type BLK

Sample Value 0.000

Sample Time 13:08

Data Type SUBJ

Sample Value 0.000

Sample Time 13:09

Data Type BLK

Sample Value 0.000

Sample Time 13:10

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG227501-19

Standard Expiration Date 10/01/2014

Tank Pressure 772

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.28 sec

Blow Volume 1742 cc End-of-Blow Time 13:07

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1735 cc End-of-Blow Time 13:09

Tamper Evident Stamp a6c9ca97

Test Status Code 0

Test Status Success

HMS
NSM

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010494 Test Number: 688
Test Date: 11/21/2013 Test Time: 13:11 EST

Technician Initials: HMS

Dry Gas Target: 0.101

Lot Number: AG227501-19 Exp Date: 10/01/2014

Tank Pressure: 767 psi Barometric Pressure: 765 mmHg

Test	g/210L	Time
DIAG	Pass	13:11
BLK	0.000	13:12
CHK	0.102	13:13
BLK	0.000	13:14
CHK	0.102	13:15
BLK	0.000	13:16
CHK	0.101	13:17
BLK	0.000	13:18

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

One point certification done prior to firmware/software upgrade due to certification warning on display.

HMS
11/21/13

Handwritten initials/signature

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010494 Test Number: 689

Test Date: 11/21/2013 Test Time: 13:19 EST

Dry Gas Target: 0.101

Lot Number: AG227501-19 Exp Date: 10/01/2014

Tank Pressure: 757 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:20
CHK	0.101	13:20
BLK	0.000	13:22
CHK	0.101	13:23
BLK	0.000	13:24
CHK	0.101	13:25

Test Status: *Success*

Calibration CRC: B21AEF67

HMS
MOL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010494 Test Number: 690

Test Date: 11/21/2013 Test Time: 13:28 EST

Dry Gas Target: 0.302

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 159 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:29
CHK	0.302	13:29
BLK	0.000	13:31
CHK	0.302	13:32
BLK	0.000	13:33
CHK	0.301	13:34

Test Status: Success

Calibration CRC: B21AEF67

the

msl

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010494

System Date: 11/21/2013

System Time: 13:56 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

hus

WHL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010494 Test Number: 691

Test Date: 11/21/2013 Test Time: 13:59 EST

Dry Gas Target: 0.101

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 585 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:59
CAL	0.101	14:00

Test Status: Success

Calibration CRC: 44C1BD7E

HMS
MSU

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010494 Test Number: 692
Test Date: 11/21/2013 Test Time: 14:03 EST

Technician Initials: *HMS*

Dry Gas Target: 0.251

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 257 psi Barometric Pressure: 764 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:04
BLK	0.000	14:05
CHK	0.250	14:05
BLK	0.000	14:07
CHK	0.250	14:08
BLK	0.000	14:09
CHK	0.250	14:10
BLK	0.000	14:12

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
PSS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010494 Test Number: 693
Test Date: 11/21/2013 Test Time: 14:13 EST

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 29512150I2-02 Exp Date: 11/01/2014

Tank Pressure: 762 psi Barometric Pressure: 764 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:13
BLK	0.000	14:14
CHK	0.151	14:15
BLK	0.000	14:16
CHK	0.151	14:17
BLK	0.000	14:18
CHK	0.151	14:19
BLK	0.000	14:21

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
Will

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010494 Test Number: 694
Test Date: 11/21/2013 Test Time: 14:22 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 811 psi Barometric Pressure: 763 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:22
BLK	0.000	14:23
CHK	0.081	14:24
BLK	0.000	14:25
CHK	0.081	14:26
BLK	0.000	14:27
CHK	0.081	14:28
BLK	0.000	14:29

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
NSA

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010494 Test Number: 695
Test Date: 11/21/2013 Test Time: 14:31 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 914 psi Barometric Pressure: 763 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:31
BLK	0.000	14:32
CHK	0.020	14:33
BLK	0.000	14:34
CHK	0.020	14:35
BLK	0.000	14:36
CHK	0.020	14:37
BLK	0.000	14:38

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials: "HMS" and "MSH"

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010494 Test Number: 696

Test Date: 11/21/2013 Test Time: 14:41 EST

Dry Gas Target: 0.301

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 154 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:41
CHK	0.304	14:42
BLK	0.000	14:44
CHK	0.304	14:45
BLK	0.000	14:46
CHK	0.304	14:48

Test Status: Success

Calibration CRC: 44C1BD7E

AMS
MSE

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010494 Test Number: 697

Test Date: 11/21/2013 Test Time: 14:51 EST

Dry Gas Target: 0.100

Lot Number: AG320502-02 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:51
CHK	0.101	14:52
BLK	0.000	14:54
CHK	0.101	14:55
BLK	0.000	14:56
CHK	0.101	14:57

Test Status: Success

Calibration CRC: 44C1BD7E




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HMS
MHL

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/21/2013
TEST EQUIPMENT NUMBER 010494		

RESULTS: TIME SAMPLE TAKEN 15:04 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

Replaced printer. HMS
11/21/13

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 09:06

Handwritten initials/signature

Test Results

Instrument Serial Number 010494

Test # 000698 Subject Test

Test Location 1 Department of

Test Date 21 Nov 2013

Test Location 2 Forensic Science

Test Time 14:58

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 21 Nov 2013

End Time 15:05

Result Time 15:04

Result Date 21 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:58

Data Type BLK

Sample Value 0.000

Sample Time 14:59

Data Type CHK

Sample Value 0.101

Sample Time 15:00

Data Type BLK

Sample Value 0.000

Sample Time 15:01

Data Type SUBJ

Sample Value 0.000

Sample Time 15:02

Data Type BLK

Sample Value 0.000

Sample Time 15:03

Data Type SUBJ

Sample Value 0.000

Sample Time 15:04

Data Type BLK

Sample Value 0.000

Sample Time 15:05

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-02

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 763 mmHg

Blow Sample Number 1

Blow Duration 3.30 sec

Blow Volume 1794 cc

End-of-Blow Time 15:02

Blow Sample Number 2

Blow Duration 3.23 sec

Blow Volume 1736 cc

End-of-Blow Time 15:04

Tamper Evident Stamp 944217c5

Test Status Code 0

Test Status Success